

APPENDIX D2 – VISUAL CONTRAST RATING WORKSHEETS

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: LC14 County Road A030 Residence	Township: T25S	
VRM Class: IV (viewed from land without VRM Classification)	Range: R02E Section: 28	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently rolling MG: Elongated, geometric	FG: Low patches MG: Amorphous patches	FG: Thin, vertical
Line	FG: Horizontal MG: Irregular horizontal	FG: Butt edge (at roads) MG: Weak digitate edge	FG: Vertical
Color	FG: Light browns MG: Brown-gray	FG: Greens, golden MG: Blue-green	FG: Brown
Texture	FG/MG: Fine grain	FG/MG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project, within a panoramic landscape setting designated as VRM Class IV and viewed residences associated with County Road A030. The proposed Project crosses flat to gently rolling terrain and would be backdropped by adjacent terrain. Disturbance associated with construction access would be screened by topography and vegetation; thus disturbance to these features would not be visible from the KOP. The proposed structures would be seen at approximately 2.1 miles in a partially backdropped condition with small distribution power lines in the foreground. The proposed structures would introduce moderate contrast into the landscape to form and line, with weak contrast for color and texture.



View east from a residence along County Road A030.

Project Name: SunZia Southwest Transmission Project	Location: Township: 11S Range: 5W Section: 19	Location Sketch
Key Observation Point: LC18 SR 142 Residence		
VRM Class: IV		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat, level BG: Mountain silhouette, pyramidal	FG/MG: Numerous, low individual; V-shaped, creating expansive patch	MG: Few, thin, vertical
Line	FG/MG: Bold, continuous, horizontal BG: Irregular, broken, horizontal	FG/MG: Straight, horizontal	MG: Weak, vertical, thin, geometric
Color	FG/MG: Light brown, tan BG: Dulled, grayish-blue	FG/MG: Olive green	MG: Dull gray
Texture	FG/MG: Fine grain BG: Fine grain	FG/MG: Regular, medium grain, dense	MG: Even, ordered, repeating, fine

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X		X			
	Line				X			X		X			
	Color				X			X		X			
	Texture				X			X		X			

Does project design meet visual resource management objectives?

Yes

Additional mitigating measures recommended?

No


Evaluator Name(s):

EPG Visual Personnel

Moderate-strong project contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting designated as VRM Class IV and associated with a residence on SR 142. The proposed Project would cross flat terrain and would be primarily skylined. Disturbance to vegetation and landform associated with construction access may be seen intermittently due to the moderately dense, low vegetation would partially screen these disturbances. The proposed structures would be seen at approximately 0.3 mile, with an existing transmission line visible at approximately 2.5 miles. The proposed Project would introduce strong contrast to structure elements of form, line, color, and texture. The close proximity of the proposed Project with an unobstructed view would result in an overall moderate-strong degree of contrast from this KOP.



View south from a residence along SR 142.

Project Name: SunZia Southwest Transmission Project	Location: Township: 12S Range: 4W Section: 6	Location Sketch 
Key Observation Point: LC19 I-25 (Portions are El Camino Real)		
VRM Class: III		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat, irregular, linear, concave MG: Flat; low, isolated hills BG: Bold, jagged	FG: Low, geometric patches MG: Horizontal patches BG: Homogeneous, indistinct	FG: Vertical, geometric, narrow MG: Thin, vertical (individual cell tower)
Line	FG: Horizontal, diagonal, curving band MG: Straight, horizontal BG: Irregular, continuous, horizontal, rugged	FG: Butt edge; transitional edge (along road) MG: Diffuse edge BG: Digitate edge	FG: Square, rectangular, curving, simple MG: Vertical
Color	FG/MG: Tan, brown, gray, white, yellow BG: Tan, light and dark brown	FG/MG: Olive green, golden BG: Olive green, golden, dark green	FG: Gray, yellow, white, orange MG: Gray
Texture	FG: Fine grain MG: Fine grain BG: Fine to medium grain	FG: Dense, medium grain MG/BG: Fine grain	FG: Fine, smooth MG: Fine

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X		X			
	Line				X			X		X			
	Color				X			X		X			
	Texture				X			X		X			

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
Yes – See Simulation 23

Evaluator Name(s):
EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project within a feature landscape setting with VRM Class III designation and associated with the El Camino Real National Historic Trail along I-25. The proposed Project would cross relatively level terrain and would be primarily skylined when crossing I-25. Construction access disturbance to landform and vegetation would not be visible, due to vegetative screening. The proposed structures would be seen at approximately 0.25 mile and would introduce strong contrast for structure elements of form, line, color, and texture. Close viewer proximity and minimal screening for the structures would result in a strong degree of contrast from this KOP. Selective mitigation measure #10 (maximize span) would reduce contrast.



View to the north from along northbound I-25.

Project Name: SunZia Southwest Transmission Project	Location: Township: T12S Range: R04W Section: 1	Location Sketch
Key Observation Point: LC20 Elephant Butte State Park		
VRM Class: III		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Relatively flat to gently rolling BG: Weak, elongated mass on horizon	FG/MG: Expansive homogeneous patch, few individual "V"-shaped BG: Weak, geometric patches	FG: Low, repeating, vertical
Line	FG/MG: Strong, horizontal, curving band (road) BG: Weak, broken, irregular horizontal	FG/MG: Butt edge at road, weak diffuse edge BG: Weak diagonal	FG: Vertical, horizontal, diagonal
Color	FG/MG: Tan, light reddish-brown BG: Dull blue-green	FG/MG: Greens, browns BG: Dull blue-green	FG: Light brown
Texture	FG/MG: Medium to fine grain BG: Medium grain	FG/MG: Medium grain, dense BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Weak, thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

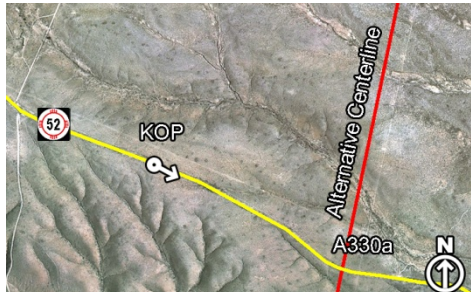
Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation, viewed from Elephant Butte State Park. The proposed Project would cross flat terrain and would be partially backdropped by adjacent terrain. Construction access disturbance to landform and vegetation would not be visible from the KOP due to screening by terrain and vegetation. The proposed structures would be seen at approximately 3.6 miles and would introduce weak contrast into the landscape for structure elements of form, line, color, and texture. The viewing distance of the proposed Project would result in an overall weak degree of contrast from the KOP.



View to the north from the entry drive of Elephant Butte Lake State Park.

Project Name: SunZia Southwest Transmission Project	Location: Township: 12S Range: 6W Section: 13	Location Sketch 
Key Observation Point: LC21 Geronimo National Scenic Byway		
VRM Class: IV		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Relatively flat BG: Irregular horizontal and pyramidal	FG/MG: Low expansive homogeneous patches	FG: Thin vertical
Line	FG/MG: Horizontal, diagonal, curving band (road) BG: Irregular layered horizontal silhouettes	FG: Butt edge (at road)	FG: Vertical
Color	FG/MG: Light browns BG: dulled bluish-brown and green	FG/MG: Green/olive greens, golden, sage, brown	FG: Brown
Texture	FG/MG: Fine grain BG: Fine to medium grain	FG/MG: Medium to fine grain	FG: Fine grain, ordered

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X	X			
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?

Yes

Additional mitigating measures recommended?

Yes

Evaluator Name(s):

EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class IV designation and associated with views from the Geronimo National Scenic Byway. The proposed Project would cross flat terrain where the Project would be partially backdropped by distant terrain. Construction access disturbance to landform and vegetation would not be visible from the KOP due to screening by vegetation. The proposed Project would be seen at approximately 0.6 mile with similar smaller structures visible directly behind the proposed structures. The proposed Project would introduce strong contrast for structure elements of line, with moderate contrast introduced into the landscape for form, color, and texture. The viewing distance, in consideration of existing similar structures visible, would result in a moderate-strong degree of contrast from the KOP. Selective mitigation measure #10 (maximize span at crossing) would reduce contrast in this area.



View to the east from the Geronimo National Scenic Byway/SR 52, southwest of Winston, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: LC22 Lake Valley Scenic Road/Geronimo Byway	Township: 15S Range: 5W	
VRM Class: III	Section: 30	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat BG: Layered geometric mountain silhouettes	FG: Low-growing geometric patches BG: Amorphous patches	FG: Thin, vertical (poles)
Line	FG: Horizontal, straight band (road) BG: Sweeping and horizontal, with strong horizon line	FG: Butt edge (along road) BG: Digitate edge	FG: Vertical, weak, diagonal (conductors)
Color	FG: Reds and browns BG: Dark brown and tans	FG: Olive green, greens, tans and browns BG: Dark greens and tans, browns	FG: Brown
Texture	FG: Fine grain BG: Fine to medium grain	FG: Medium grain, medium density BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes


Additional mitigating measures recommended?
Yes – See Simulation 24

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting with VRM Class III designation and associated with the Geronimo Scenic Byway in Lake Valley. The proposed Project would cross flat terrain in a partial backdrop condition from a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP. The proposed structures would be visible as the Project crosses the highway at approximately 0.5 mile, directly behind an existing similar project. The proposed Project would introduce strong contrast into the landscape for structure elements of form, with moderate contrast introduced for line, color, and texture. The viewing distance and partially backdropped condition, in consideration of similar structures visible, would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation measures #10 (maximize span at crossing) would reduce visual contrast.



View to the west along the Geronimo Scenic Byway in Lake Valley.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch 
Key Observation Point: LC26 SR 26 and Butterfield Trail	Township: 21S	
VRM Class: II and III	Range: 7W Section: 27	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat, level MG: Rounded hills	FG: Homogeneous, low growing patches with random clumps MG: Uniform	FG: Geometric, thin, vertical (poles)
Line	FG: Straight, horizontal; diagonal, narrow band, converging on horizon (road) MG: Irregular, horizontal, diagonal	FG: Butt edge along road; weak transitional edge MG: Weak, digitate edge	FG: Vertical, diagonal, horizontal
Color	FG: Tans; gray, white (road) MG: Tans and browns	FG/MG: Greens, tans, browns	FG: Brown
Texture	FG/MG: Fine Grain	FG: Medium to fine grain, low density, sparse MG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; convex, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project, within a landscape setting with both VRM Class II and III designation and associated with the Butterfield Historic Trail. The proposed Project would cross relatively flat land and would be primarily skylined. Construction access disturbance to landform and vegetation would not be visible from the KOP. The proposed structures would be seen at approximately 0.2 mile and viewed in context with two similar smaller transmission lines (in front of the proposed Project) and a railroad on the opposite side of SR 26. With the presence of the existing transmission lines, the proposed structures would introduce weak contrast to structure elements of form, line, color, and texture.



View to the southwest from SR 26, towards the Butterfield Historic Trail crossing.

Project Name: SunZia Southwest Transmission Project	Location: Township: 22S Range: 9W Section: 6	Location Sketch
Key Observation Point: LC27 US Route 180		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat BG: Pyramidal, geometric	FG: Grouped "V"-shaped, stippled, conical BG: Geometric patch	FG: Tall thin vertical
Line	FG: Horizontal, diagonal band (road) BG: Irregular horizontal, diagonal	FG: Strip and butt edge (at road), weak diffuse BG: Weak digitate edge	FG: Vertical, horizontal, diagonal
Color	FG: Reddish-browns and grays BG: dulled blue-tan	FG: Greens, tan, golden, browns BG: Dulled blue-green	FG: Brown
Texture	FG: Fine grain, smooth BG: Medium grain	FG: Medium to fine grain BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes – See Simulation 28

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project within a panoramic landscape associated with dispersed residences along US Route 180, north of Deming. The proposed Project would cross flat land from a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP. The proposed Project would be seen at approximately 0.5 mile and introduce strong contrast into the landscape for structure elements of form, line, and moderate color, and texture. Selective mitigation measure #10 (maximize span at crossing) would reduce contrast at this crossing.



View to the southeast from US Route 180, north of Deming, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: LC28 Unnamed County Road at Hidalgo Substation	Township: 22S Range: 17W Section: 10	
VRM Class: IV		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Horizontal, flat; subtle, undulation BG: Smooth, rounded hills with occasional angular hills	FG/MG: Geometric patch, thin, vertical elements (yucca) BG: Amorphous patches	FG: Thin, vertical
Line	FG/MG: Strong, horizontal BG: Irregular, horizontal	FG/MG: Straight band (at road), weak diffuse BG: Irregular	FG: Vertical, horizontal, diagonal
Color	FG/MG: Browns, tans, and grays BG: Brown to dark brown	FG/MG: Greens, olive, tan, golden, and brown BG: Dulled bluish-green and yellows	FG: Brown
Texture	FG/MG: Fine grain BG: Fine grain	FG/MG: Medium to fine grain BG: Fine grain	FG: Fine Grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No – See Simulation 29

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project in a landscape setting viewed from an unnamed county road while crossing VRM Class IV designated land. The proposed Project would cross relatively flat to slightly rolling terrain and would be backdropped by adjacent terrain for recreation viewers with a superior view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 0.4 mile in context with existing transmission lines and a substation. The proposed structures would introduce weak structure contrast for the elements of form, line, color, and texture into the landscape.



View southwest from an unnamed county road at Hidalgo Substation with the Continental Divide National Scenic Trail traversing near these facilities.

Project Name: SunZia Southwest Transmission Project	Location: Township: 21S Range: 18W Section: 35	Location Sketch
Key Observation Point: LC29 SR 90		
VRM Class: III		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to rolling MG: Irregular/rounded pyramidal	FG: Stippled, individual, short, columnar with tufted top; homogenous expansive (grasses) MG: Amorphous expansive patch	FG: Thin vertical
Line	FG: Horizontal, continuous diagonal band MG: Irregular horizontal, diagonal	FG: Butt edge (at road) MG: Weak diffuse to digitate edges	FG: Vertical, horizontal, diagonal
Color	FG: Light reddish brown, grays, white, yellow MG: Bluish-tan	FG: Tan to golden, medium to dark greens, brown MG: Bluish-green	FG: Brown
Texture	FG: Fine grain, smooth MG: Fine to medium grain	FG: Fine to medium grain MG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation. The proposed Project would cross flat terrain and would be partially backdropped by adjacent terrain for travel route viewers with level views along SR 90. Construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed Project would be seen at approximately 0.6 mile and would parallel an existing transmission line. The proposed structures would be larger and introduce moderate contrast into the landscape for structure elements of form, line, color, and texture. The viewing distance, in consideration of the presence of existing structures, would result in an overall moderate degree of contrast from this KOP. Selective mitigation measure #10 (maximize span at crossing) would reduce contrast at this crossing.



View to the northeast from SR 90 north of Lordsburg, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Township: 23S Range: 18W Section: 5	Location Sketch
Key Observation Point: LC30 Lordsburg		
VRM Class: II & IV (Viewing from Lordsburg)		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently rolling MG: Pyramidal, low rolling	FG: Individual "V"-shaped, homogeneous expansive patch MG: Geometric patches	FG: Thin vertical, geometric MG: Thin vertical
Line	FG: Horizontal MG: Irregular horizontal, diagonal	FG: Weak butt/transitional edge MG: Diffuse edges	FG: Vertical, diagonal, horizontal MG: Vertical
Color	FG: Browns and grays MG: Brown to dark brown	FG: Greens, olive, tan, golden, brown MG: Golden, greens, browns	FG: Brown, gray, and metallic MG: Dull gray
Texture	FG: Fine grain MG: Fine to medium grain	FG: Medium to fine grain MG: Fine grain	FG: Fine to medium grain MG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

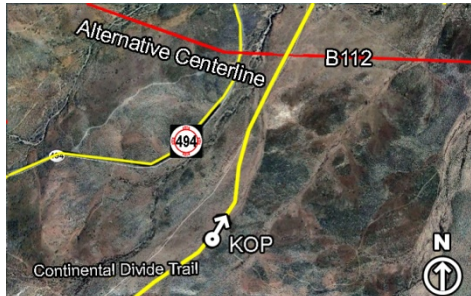
Additional mitigating measures recommended?
No – See Simulation 30

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class II and IV designation. The Project would be sited within the West-wide Energy Corridor through those designations and viewed from residences in Lordsburg, New Mexico. The proposed Project would cross relatively flat to gently rolling land and would be partially skylined for residences with level views. Construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetative screening. The proposed Project would be seen at approximately 0.8 mile, through distribution lines in the immediate foreground. The proposed structures would introduce moderate contrast to structure elements of form, line, color, and texture. The Project would be viewed in the foreground and in context with existing distribution lines, would result in an overall moderate degree of contrast from this KOP.



View to the southwest from Lordsburg, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Township: 23S Range: 18W Section: 8	Location Sketch 
Key Observation Point: LC31 Continental Divide National Scenic Trail (south)		
VRM Class: II		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Horizontal, flat; gently rolling BG: Smooth, rounded hills; occasional angular hills	FG/MG: Low, amorphous, homogeneous patches; numerous, low, spherical (shrubs) BG: Amorphous patches	FG: Low, geometric (sign); stipple rectangular (Lordsburg development)
Line	FG/MG: Undulating, horizontal BG: Irregular, continuous, horizontal	FG/MG: Diffuse edge BG: Weak, digitate edge	FG: Vertical; weak, broken vertical and horizontal (Lordsburg)
Color	FG/MG: Browns and grays BG: Brown to dark brown	FG/MG: Greens, olive, tan, golden, brown BG: Golden, greens, browns	FG: Green, white, blue,
Texture	FG/MG/BG: Fine grain	FG/MG: Fine to medium grain and density, uneven, random BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X	X			
	Texture				X				X	X			

Does project design meet visual resource management objectives?

Yes

Additional mitigating measures recommended?

Yes – See Simulation 31

Evaluator Name(s):

EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project, within a panoramic landscape setting with VRM Class II designation. The project would be sited within the West-wide Energy Corridor through this designation. The proposed Project would cross gently rolling terrain and would be primarily backdropped by adjacent terrain for recreation viewers with level views along the Continental Divide National Scenic Trail. Construction access disturbance to landform and vegetation would not be visible from the KOP because of low vegetative screening. The proposed structures would be seen at approximately 0.4 mile and would introduce strong contrast into the landscape for structure elements of form, line, color, and texture. The viewing distance from the proposed Project in a largely intact natural setting would result in a strong degree of contrast from this KOP. Selective mitigation measure #10 (maximize span at crossing) would help reduce contrast.



View to the north from the Continental Divide Trail south of Lordsburg, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Latitude: 32°19'29.11"N	Location Sketch
Key Observation Point: LC32 Shakespeare Ghost Town	Longitude: 108°44'18.69"W (township and range unavailable)	
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Moderately rolling; smooth to rough	FG: Amorphous patches, individual V-shaped shrubs	FG: Short, vertical, repeating
Line	FG: Simple, bold, undulating, horizontal; irregular	FG: Butt edge at road; soft diffuse edges	FG: Vertical and diagonal
Color	FG: Grays and light browns	FG: Light to dark green, golden, gray, brown	FG: Dark green
Texture	FG: Medium grain	FG: Uneven, medium grain and density	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Broken horizontal strip	FG: Amorphous patches, individual V-shaped shrubs	FG: Tall, vertical, geometric, triangular, transparent
Line	FG: Simple, bold, undulating, horizontal	FG: Horizontal curving, broken	FG: Complex, angular; concave, horizontal
Color	FG: Gray, light brown	FG: Light to dark green, golden, gray, brown	FG: Dull gray
Texture	FG: Medium grain	FG: Uneven, medium grain and density	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			x				x		x			
	Line			x				x		x			
	Color		x						x		x		
	Texture			x					x		x		

Does project design meet visual resource management objectives?
NA

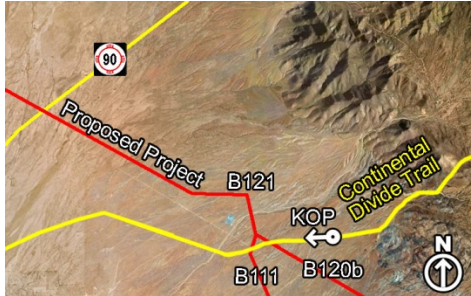
Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project, within an enclosed landscape setting associated with the Shakespeare Ghost Town. The proposed Project would cross moderately rolling terrain in a partially skylined for viewers at this historic recreation area. Construction access disturbance would introduce moderate contrast to the landform element of color, with weak contrast to form, line, and texture. Similarly, weak contrast to vegetation elements of form and line would be introduced into the landscape. The proposed structures would be visible at approximately 0.25 mile and would introduce strong contrast to structure elements of form and line, with moderate contrast introduced for color and texture. Selective mitigation measure #7 (self supporting lattice) would reduce contrast in this area.



View to the southeast from the Shakespeare Ghost Town north of Lordsburg, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Township: 22S Range: 17W Section: 15	Location Sketch 
Key Observation Point: LC33 Continental Divide National Scenic Trail (north)		
VRM Class: IV (viewed from the Continental Divide Scenic Trail, not on BLM land)		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Horizontal, flat; subtle, undulation BG: Horizontal and Flat with rounded and angular hills	FG/MG: Geometric patch, thin, vertical elements (yucca); homogeneous BG: Homogeneous patches	FG/MG: Thin, vertical
Line	FG/MG: Strong, horizontal BG: Horizontal	FG/MG: Straight, weak diffuse BG: Irregular	FG/MG: Vertical, horizontal, diagonal
Color	FG/MG: Reds and browns BG: Brown to dark brown	FG/MG: Greens, olive, tan and brown BG: Dark-green and yellows	FG/MG: Brown; green and white
Texture	FG/MG: Fine grain BG: Fine grain	FG/MG: Medium to fine grain BG: Fine grain	FG/MG: Fine Grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No – See Simulation 50

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project in a landscape setting viewed from the Continental Divide Scenic Trail while crossing VRM Class IV designated land. The proposed Project would cross relatively flat to slightly rolling terrain and would be partially backdropped by adjacent terrain for recreation viewers with a superior view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 0.6 to 0.8 miles in the context with existing transmission lines and a substation. The proposed structures would introduce weak/moderate structure contrast for the elements of form, and weak structure contrast for line, color, and texture into the landscape.



View southwest from the Continental Divide National Scenic Trail.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: RO1 County Road A020 Residence	Township: 2S	
VRM Class: NA	Range: 11E Section: 27	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Gently rolling MG: Moderate slopes, rounded, pyramidal	FG: Individual spherical, stippled, homogeneous patch MG: Homogeneous expansive patch	FG: Short repeating vertical (fence); transparent triangular, circular
Line	FG: Horizontal, straight narrow band (road) MG: Undulating horizontal, diagonal	FG: Butt edge (road), diffuse edges MG: Weak butt edge	FG: Vertical, horizontal, diagonal
Color	FG: Reddish-brown, tan MG: Brown	FG: Dark green to light green MG: Dark green	FG: Brown, grey, yellow, black
Texture	FG/MG: Fine grain	FG: Medium to fine grain MG: Fine grain	FG: Fine to medium

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X		X			
	Line				X			X		X			
	Color				X			X			X		
	Texture				X			X			X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with a residence along County Road A020. The proposed Project would cross rolling terrain in a partially backdropped condition from a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP. The proposed Project would be visible at approximately 0.9 mile and would introduce strong contrast to structure elements of form and line, with moderate contrast introduced for color and texture into the landscape. The viewing distance of the proposed Project from the KOP in consideration of the Project occurring in a partially backdropped condition would result in an overall moderate-strong degree of contrast.



View to northeast from residence along County Road A020, southwest of Corona, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: RO2 US Route 54 and Rest Area	Township: 2S Range: 12E	
VRM Class: NA	Section: 29	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently rolling	FG: Low to medium, irregular patches	NA
Line	FG: Horizontal, undulating; straight, narrow band (road)	FG: Irregular; straight butt edge (road)	NA
Color	FG: Brown; gray, white (road)	FG: Dark green with patches of lighter green	NA
Texture	FG: Fine, smooth	FG: Fine; medium textured shrubs	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X		X			
	Line				X			X		X			
	Color				X			X			X		
	Texture				X			X			X		

Does project design meet visual resource management objectives?
NA

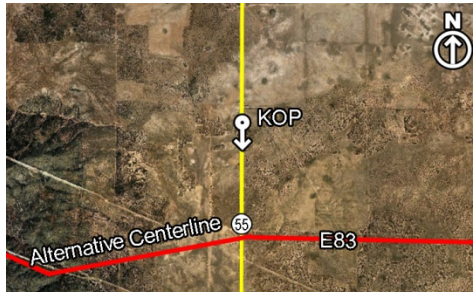
Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project, within a panoramic landscape associated with the rest area located on US Route 54. The proposed Project would cross rolling terrain from a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to screening by topography. The proposed structures would be seen at approximately 0.4 mile and would introduce strong contrast for structure elements of form and line, with moderate contrast introduced for color and texture into the landscape. The proposed Project would be partially screened by vegetation and rolling topography. The viewing distance, with the Project occurring in a partially backdropped condition with vegetative and landform screening, would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation measure #10 (maximize span at crossing) would reduce contrast as the project crosses US Route 54.



View to the southwest from a rest area on US Route 54.

Project Name: SunZia Southwest Transmission Project	Location Township: 1N Range: 8E Section: 21	Location Sketch 
Key Observation Point: RP1 SR 55 – Salt Missions Trail Scenic Byway		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat to gently rolling MG: Geometric, pyramidal	FG: Individual V-shaped, groupings, patch MG: Weak stippled	FG to BG: Geometric
Line	FG: Horizontal MG: Broken horizontal, diagonal	FG: Broken horizontal; diffuse and transitional edges MG: Weak diffuse	FG to BG: Straight, rhythmic
Color	FG: Tans and browns MG: Tan, reddish brown	FG: Greens, tans, and browns MG: Greens	FG to BG: Gray, brown, yellow, white
Texture	FG: Fine grain MG: Fine to middle grain	FG: Medium to fine grain MG: Fine grain	FG to BG: Fine

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Geometric, thin	FG: Geometric	FG: Tall vertical, geometric, triangular, transparent
Line	FG: Horizontal and linear	FG: Linear	FG: Complex angular; concave horizontal
Color	FG: Tans	FG: Tans, light green	FG: Dull gray
Texture	FG: Fine	FG: Fine	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X		X			
	Line			X				X		X			
	Color			X				X		X			
	Texture			X				X			X		

Does project design meet visual resource management objectives?
No

Additional mitigating measures recommended?
Yes

Evaluators Names:
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project within a landscape associated with the Salt Missions Trail Scenic Byway (SR 55), north of Gran Quivira National Monument, New Mexico. The proposed Project would cross rolling terrain and would be partially backdropped by adjacent terrain. Disturbance to landform and vegetation due to construction access would be partially visible from the KOP. The proposed structures, cross the road perpendicular approximately 0.8 miles to the south, as seen from this KOP, and would introduce strong contrast into the landscape for structure elements of form, line, and color, with moderate contrast for texture. Selective mitigation #10 (maximize span at crossing) would reduce contrast at this crossing.



View south from Salt Missions Trail Scenic Byway (SR 55), north of Gran Quivira National Monument, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location Township: 1N Range: 9E Section: 32	Location Sketch
Key Observation Point: RP2 SR 55 Residence		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat to gently rolling MG: Geometric, pyramidal	FG: Individual V-shaped, groupings, patch MG: Weak stippled	NA
Line	FG: Horizontal MG: Broken horizontal, diagonal	FG: Broken horizontal; diffuse and transitional edges MG: Weak diffuse	NA
Color	FG: Tans and browns MG: Tan, reddish brown	FG: Greens, tans, and browns MG: Greens	NA
Texture	FG: Fine grain MG: Fine to middle grain	FG: Medium to fine grain MG: Fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG to MG: Flat	FG to MG: Geometric	FG: Tall vertical, geometric, triangular, transparent
Line	FG to MG: Diagonal, straight	FG to MG: Linear, straight	FG: Complex angular; concave horizontal
Color	FG to MG: Brown, tan	FG to MG: Greens, tan	FG: Dull gray
Texture	FG to MG: Fine	FG to MG: Fine	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			x				x			x		
	Line		x				x				x		
	Color		x				x				x		
	Texture			x				x			x		

Does project design meet visual resource management objectives?
No


Additional mitigating measures recommended?
No

Evaluators Names:
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape near a dispersed residence along SR 55. The proposed Project would cross relatively flat to gently rolling terrain and would be partially backdropped for a residence with superior views. Construction access would introduce moderate contrast to line and color due to disturbance to landform and vegetation, and weak contrast to form and texture as visible from the KOP. The proposed structures would be seen at approximately 0.9 mile and introduce moderate contrast into the landscape for structure elements of form, line, color, and texture.



View northeast from a dispersed residence along SR 55

Project Name: SunZia Southwest Transmission Project	Location Township: 1N	Location Sketch 
Key Observation Point: RP3 SR 55 – Salt Missions Trail Scenic Byway	Range: 8E	
VRM Class: NA	Section: 9	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat to gently rolling MG: Geometric, pyramidal	FG: Individual V-shaped, groupings, patch MG: Weak stippled	FG to BG: Geometric
Line	FG: Horizontal MG: Broken horizontal, diagonal	FG: Broken horizontal; diffuse and transitional edges MG: Weak diffuse	FG to BG: Straight, rhythmic
Color	FG: Tans and browns MG: Tan, reddish brown	FG: Greens, tans, and browns MG: Greens	FG to BG: Gray, brown, yellow, white
Texture	FG: Fine grain MG: Fine to middle grain	FG: Medium to fine grain MG: Fine grain	FG to BG: Fine

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Geometric, thin	FG: Geometric	FG: Tall vertical, geometric, triangular, transparent
Line	FG: Horizontal and linear	FG: Linear	FG: Complex angular; concave horizontal
Color	FG: Tans	FG: Tans, light green	FG: Dull gray
Texture	FG: Fine	FG: Fine	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X		X			
	Line			X				X		X			
	Color			X				X		X			
	Texture			X				X		X			

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes – see Simulation 48

Evaluators Names:
EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project (Link E86a) within a landscape associated with the Salt Missions Trail Scenic Byway (SR 55). The proposed Project would cross flat to rolling terrain and would be skylined. Disturbance to landform and vegetation due to construction access would be visible from the KOP. The proposed structures, cross the road perpendicular approximately 0.2 miles to the south, as seen from this KOP, and would introduce strong contrast into the landscape for structure elements of form, line, color, and texture. Selective mitigation #10 (maximize span at crossing) would reduce contrast at this crossing.



View south from Salt Missions Trail Scenic Byway (SR 55), north of Gran Quivira National Monument, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location	Location Sketch
Key Observation Point: SA1 Peloncillo Mountain Wilderness	Township: 13S	
VRM Class: IV (Viewed from VRM Class I land)	Range: 32E Section: 17	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat, sloped to geometric masses BG: Horizontal geometric mass	FG/MG: Homogenous patch to stippled BG: Weak geometric patch	FG/MG: few low geometric
Line	FG/MG: Horizontal, diagonal, vertical BG: Irregular horizontal	FG/MG: Diffuse edge BG: Weak digitate edge	FG/MG: weak horizontal and vertical
Color	FG/MG: Light browns/tans BG: Dulled blue-tan	FG/MG: Greens, golden, browns BG: Dulled blue-green	FG/MG: White, grays
Texture	FG/MG: Fine to medium grain BG: Medium grain	FG/MG: Medium to fine grain BG: Fine Grain	FG/MG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X	X			
	Texture				X				X	X			

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
Yes

Evaluators Names:
EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project in a feature landscape setting in designated VRM Class IV land viewed near the Peloncillo Mountain Wilderness. The proposed Project would cross relatively level to gently rolling terrain and would be partially backdropped by terrain for recreation viewers with a slightly superior view. Disturbance associated with construction access would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 0.30 mile and would introduce strong contrast for structure elements of form, line, and color, with moderate contrast introduced for texture into the landscape. The close, unobstructed views of the proposed Project would result in an overall strong degree of contrast from this KOP. Selective mitigation measure #7 (self supporting lattice structures) would reduce contrast in this area.



View south from West Doubtful Canyon Road near the Peloncillo Mountain Wilderness.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SA2 San Simon	Township: 13S	
VRM Class: III (viewed from non-BLM)	Range: 31E Section: 19	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat BG: Pyramidal	FG: Low patches	FG: Short, thin, repeating, vertical
Line	FG: Horizontal, straight BG: Irregular, broken horizontal	FG: Weak, butt edge (at property fence)	FG: Vertical
Color	FG: Light reddish/brown BG: Medium to light brown	FG: Light tan and sage, dark brown, red	FG: Light to dark brown
Texture	FG: Fine grain BG: Fine to medium grain	FG: Medium grain, low to medium density, sparse	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X	X			
	Texture				X				X	X			

Does project design meet visual resource management objectives?

Yes

Additional mitigating measures recommended?

No

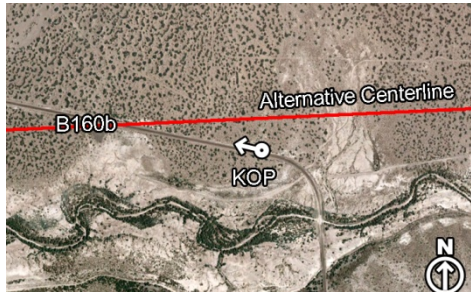
Evaluator Name(s):

EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project, within a feature landscape setting with VRM Class III designation near a residence adjacent to BLM land north of San Simon, Arizona. The proposed Project would cross relatively flat terrain with a level viewing condition; thus, disturbance associated with construction access would not be visible due to vegetation screening. Similarly, any modifications to vegetation associated with the Project would not be visible. The proposed structures would be seen at approximately 0.25 mile and would introduce strong contrast to structure elements of form, line, color, and texture. The close proximity of the proposed Project to residences with unobstructed views would result in an overall strong degree of contrast.



View to the north from a residence on Ball Road, north of San Simon, Arizona.

Project Name: SunZia Southwest Transmission Project	Location: Township: 11S Range: 29E Section: 8	Location Sketch 
Key Observation Point: SA3 Hackel Road		
VRM Class: IV		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat, horizontal to low rolling, mounding BG: Prominent, jagged, irregular	FG: Low, irregular; spherical to rounded, rectangular MG: Homogeneous	NA
Line	FG/MG: Bold, diagonal; horizontal, smooth undulating BG: Jagged, rugged, horizontal	FG: Butt edge, continuous, diagonal (road) BG: Weak, digitate edge	NA
Color	FG/MG: Tan; light gray (road) BG: Dull, dark to light brown, dark green	FG: Light tan and sage; dark brown, red BG: Greens and tans	NA
Texture	Fine grain	FG: Medium grain and density, uneven, random BG: Fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X	X			
	Texture				X				X		X		

Does project design meet visual resource management objectives?

Yes

Additional mitigating measures recommended?

Yes


Evaluator Name(s):

EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project, within a focal landscape setting designated as VRM Class IV and associated with Hackel Road. The proposed Project would cross low mounding/rolling to flat terrain and would be partially backdropped for recreation viewers with a level view. Disturbance associated with construction access would not be visible from the KOP, because screening of the disturbance would occur from the rolling landform and the existing low vegetation. The proposed structures would be seen as the Project crosses the road at approximately 0.25 mile and would introduce strong contrast to structure elements of form, line, and color, with moderate contrast introduced into the landscape for texture. The close proximity of the Project crossing Hackel Road in focal landscape would result in an overall strong degree of contrast from this KOP. Selective mitigation measure #10 (maximize spans at crossing) would reduce contrast.



View to the west from Hackel Road.

Project Name: SunZia Southwest Transmission Project	Location: Township: 9S Range: 26E Section: 6	Location Sketch 
Key Observation Point: SA4 Artesia		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to rounded, smooth, pyramidal MG/BG: Complex, rounded, rugged, angular	FG/MG: Amorphous, low patch, strip, stippled BG: Geometric patches	FG: Thin, vertical, diagonal (distribution lines), rectangular
Line	FG: Horizontal, diagonal MG/BG: Complex, irregular, angular, horizontal, jagged	FG/MG: Butt edge (at road); diffuse, transitional edge BG: Weak, digitate edge	FG: Vertical, diagonal
Color	FG: Light brown, tans MG/BG: Tans, browns, white	FG/MG: Green to light green, golden BG: Dark green	FG: Brown, white, black, grays
Texture	FG: Fine to medium grain MG/BG: Medium to coarse grain	FG/MG: Medium to coarse grain, random BG: Medium to fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes – See Simulation 32

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project in a modified landscape setting without visual resource management designation. The Project would cross the foothills of the Pinaleño Mountains in a focal landscape and would be viewed by residences with an inferior view. Disturbance associated with construction access to landform and vegetation would not be visible from the KOP, due to the inferior viewing position and topographic screening. The proposed structures would be seen at approximately 0.4 mile, and would be minimally screened due to topography, with portions of the structures and conductors skylined. The Project would also be seen with existing similar structures (distribution lines) in the immediate foreground. The proposed structures would be larger than the existing structures and would introduce moderate contrast to structure elements of form, line, color, and texture into the landscape. The Project would be viewed in the presence of existing distribution lines and would be partially backdropped, resulting in an overall moderate degree of contrast from the KOP. Selective mitigation measure #10 (maximize span at crossing) would reduce visual contrast.



View to the east from Quatro Cerros Road residence near Swift Trail Junction, Arizona.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SA5 Swift Trail Parkway (SR 366)	Township: 8S	
VRM Class: NA	Range: 25E Section: 25	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently rolling MG: Prominent, rugged, irregular	FG: Low, horizontal MG: Low, irregular	FG: Low, linear
Line	FG: Smooth, straight, converging MG: Bold, diagonal, rugged	FG: Low, rugged MG: Irregular	FG: Bold, converging
Color	FG: Reddish brown, light brown; gray, white, yellow (road) MG: Light brown	FG: Light greens, golden MG: Light green to dark green with a blue hue caused by atmospheric haze	FG: Dark, reflective, monotone
Texture	FG: Medium, continuous MG: Coarse, random	FG: Fine to medium; dense, even MG: Medium to coarse, medium density, random	FG: Fine

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
NA

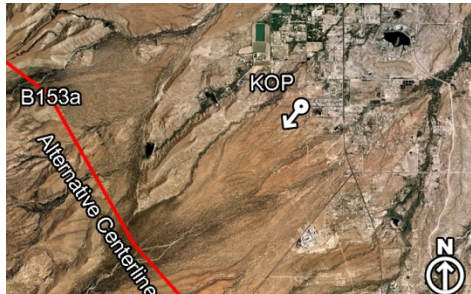
Additional mitigating measures recommended?
Yes – See Simulations 33a and 33b

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a feature landscape setting associated with views from the Swift Trail Parkway. The proposed Project would cross relatively flat terrain and terrain would backdrop the structures. Construction access disturbance to landform and vegetation would not be visible from the KOP because of the screening effects of existing vegetation. The proposed structures would be seen at approximately 0.5 mile and would introduce strong contrast into the landscape for structure elements of form and line, with moderate contrast for color and texture. The viewing distance with consideration of the proposed Project occurring in a backdropped condition would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation #7 (self supporting lattice) and #10 (maximize span at crossing) would reduce visual contrast for this area.



View to the southwest from Swift Trail Parkway (SR 366).

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch 
Key Observation Point: SA6 Lebanon Residences	Township: 8S	
VRM Class: NA	Range: 26E Section: 18	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat, horizontal MG: Prominent, pyramidal	FG: Short, amorphous MG: Low, indistinct	FG: Short, thin, repeating (fence)
Line	FG: Weak, horizontal MG: Bold, complex, irregular, horizontal	FG: Butt edge MG: Weak, digitate edge	FG: Weak, vertical
Color	FG: Light brown, reddish brown MG: Light brown	FG: Dark green, golden yellow MG: Dulled green and gold	FG: Dark green
Texture	FG: Fine to medium grain MG: Fine to medium grain	FG: Medium grain and density MG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Thin vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project in a feature landscape setting associated with residences in Lebanon, Arizona. The proposed Project would cross relatively flat to slightly rolling terrain and would be backdropped by the Piñaleno Mountains. Existing vegetation would screen landform and vegetation disturbance associated with construction access. The proposed structures would be seen at approximately 3.0 miles in an entirely backdropped condition through breaks in vegetative screening that occur in the immediate foreground. The proposed Project would introduce weak contrast to structure elements of form, line, color, and texture into the landscape. The viewing distance with the Project occurring in a backdropped condition would result in a weak degree of contrast.



View southwest from residential community in Lebanon, Arizona.

Project Name: SunZia Southwest Transmission Project	Location: Township: 7S Range: 24E Section: 23	Location Sketch
Key Observation Point: SA7 Cluff Ranch Wildlife Area		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Rolling to flat and contrasting land to water MG: Bold prominent geometric/pyramidal	FG: Triangular vertical to low individual stippled spherical MG: Stippled to geometric patches	NA
Line	FG: Broken horizontal and diagonal	FG: Irregular vertical and horizontal, butt edge (at ramp and water edge), diffuse MG: Diffuse edges	NA
Color	FG/MG: Light browns/tans	FG: Medium to light green MG: Light green	NA
Texture	FG: Fine grain MG: Coarse to fine grain, complex	FG: Coarse to fine grain, random complex MG: Medium to fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Rolling	FG: Low individual stippled spherical	FG: Tall thin vertical, triangular, transparent
Line	FG: Irregular broken diagonal and horizontal	FG: Weak butt edge	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	FG: Light brown	FG: Light green	FG: Brown, dull, gray
Texture	FG: Fine grain	FG: Fine grain	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X			X		
	Line			X				X			X		
	Color			X					X			X	
	Texture			X					X			X	

Does project design meet visual resource management objectives?
NA

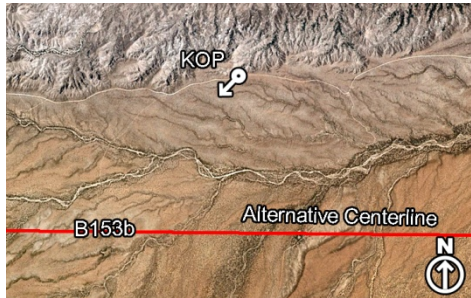
Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project in a complex feature landscape setting. The proposed Project crosses foothills in sharply rolling land and would be viewed by recreation viewers with level views associated with Cluff Ranch. Disturbance associated with construction access would introduce weak contrast to landform elements of form, line, color, and texture. Similarly, modifications to vegetation associated with the Project would introduce weak contrast for vegetative elements of form and line. The proposed structures would be seen at approximately 0.8 mile in a backdropped condition through breaks in vegetation. The proposed Project would introduce moderate contrast to structure elements of form and line, with weak contrast to color and texture introduced into the landscape. Views of the Project would be backdropped for viewers in the foreground; therefore, a moderate level of contrast is anticipated from this KOP. Selective mitigation measure #7 would reduce contrast in this area.



View to the southwest from Cluff Reservoir Boat Ramp in the Cluff Ranch Wildlife Area, Arizona.

Project Name: SunZia Southwest Transmission Project	Location: Township: 7S Range: 23E Section: 10	Location Sketch 
Key Observation Point: SA8 Bear Springs ACEC		
VRM Class: NA (KOP located in VRM Class II)		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat MG: Rolling to prominent pyramidal	FG: Low homogeneous expansive patch MG: Stippled to geometric patches	NA
Line	FG: Horizontal, diagonal band (road) MG: Bold, complex, irregular, diagonal	FG: Butt edge (at road) MG: Diffuse and digitate edges	NA
Color	FG/MG: Light brown/reddish-brown	FG: Greens, browns MG: Dulled green/bluish-green and golden	NA
Texture	FG: Fine to medium grain MG: Medium grain	FG: Medium to fine grain, dense MG: Fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

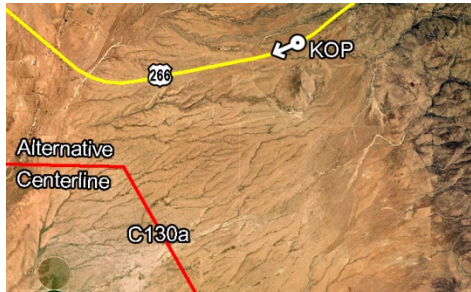
Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project in a feature landscape setting viewed from within the Bear Springs ACEC (which has a VRM Class II designation). The proposed Project would cross relatively flat land and would be backdropped by the Piñaleno Mountains for recreation viewers with a level view. Disturbance to landform and vegetation associated with construction access would not be visible, because of the screening effects of the vegetation. The proposed structures would be seen at approximately 1.0 mile and would introduce moderate contrast into the landscape for structure elements of form and line, with weak contrast for color and texture. Due to vegetation screening, construction access disturbance would not be visible from the KOP and would be primarily backdropped for this portion of the route resulting in an overall weak-moderate degree of contrast from this KOP. Selective mitigation measure #7 (self supporting lattice structure) would reduce contrast in this area.



View to the southwest from the Bear Springs ACEC, Arizona.

Project Name: SunZia Southwest Transmission Project	Location: Township: 10S Range: 24E Section: 5	Location Sketch 
Key Observation Point: SA09 Bonita Aravaipa (East)		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Gently rolling to flat BG: Bold, jagged	FG/MG: Amorphous patches and clumped groups BG: Geometric patches	FG: Rectangular (signs)
Line	FG/MG: Curving band (road) and weak, horizontal BG: Bold, irregular horizontal, diagonal	FG/MG: Butt edge (at road), weak, diffuse edges BG: Weak digitate edge	FG: Weak, horizontal, vertical
Color	FG/MG: Light grey, light brown, white, yellow BG: Indistinct	FG/MG: Light golden, greenish gray, tan BG: Dulled blue-green	FG: Blue, green, silver, white
Texture	FG/MG: Fine grain BG: Medium grain	FG/MG: Coarse grain, medium density MG/BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Weak, thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X			X	
	Line				X				X			X	
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

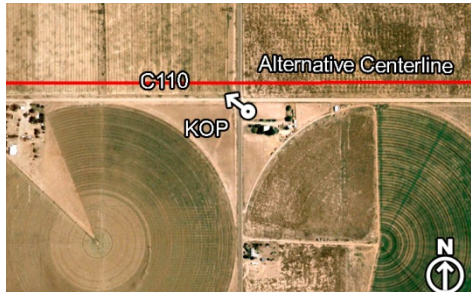
Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting associated with views from Bonita Aravaipa Road (East). The proposed Project would cross relatively flat to slightly rolling terrain in a backdropped condition which would be viewed by travel route viewers with a slightly superior view. Because of the viewing distance and vegetative screening, disturbance to landform and vegetation associated with construction access would not be visible. The proposed structures would be seen at approximately 3.0 miles and have the potential to introduce weak contrast for structure elements of form, line, color, and texture into the landscape. The viewing distance with the Project occurring in a backdropped condition would result in an overall weak degree of contrast from this KOP.



View to the southwest from Bonita Aravaipa Road (East).

Project Name: SunZia Southwest Transmission Project	Location: Township: 12S Range: 24E Section: 32	Location Sketch 
Key Observation Point: SA10 Sulphur Springs Valley		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat, level BG: Bold numerous/divers pyramidal	FG: Low, indistinct, amorphous MG: Few circular, oval, triangular	FG: Tall, vertical, triangular transparent, rectangular, geometric
Line	FG/MG: Horizontal, straight BG: Bold, horizontal, rugged	FG: Butt edge MG: Butt edge	FG: Complex, angular; convex, horizontal, weak
Color	FG/MG: Light reddish brown; gray, yellow (road)	FG: Seasonal green, golden MG/BG: Dulled green, tan	FG: Dulled, dark gray, brown, yellow
Texture	FG/MG: Fine grain BG: Coarse grain	FG: Fine grain	FG: Fine grain, matted, uniform, ordered

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

Degree of Contrast		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project in a modified feature landscape setting associated with residences in the Sulphur Springs Valley. The proposed Project would cross flat terrain in a partially backdropped condition in front of existing similar structures, and would be viewed by residences with level viewing conditions. Disturbance to landform and vegetation elements from construction access would not be visible from the KOP. The proposed structures would be seen at approximately 0.25 mile and structure form would be slightly different than the existing structures. This would result in the introduction of moderate structure contrast for the elements of form and line, with weak contrast introduced for texture and color. The Project, occurring in a modified landscape with a partially backdropped condition and the presence of similar existing structures, would result in an overall weak-moderate degree of contrast.



View to the northwest from a residence on Fort Grant Road in Sulphur Springs Valley, Arizona.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SA11 Bonita Aravaipa Road (West)	Township: 9S	
VRM Class: NA	Range: 22E Section: 26	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat to gently rolling BG: Prominent, rugged, numerous, pyramidal	FG/MG: Low, indistinct patches	NA
Line	FG/MG: Simple, horizontal, straight BG: Complex, irregular, continuous, horizontal	FG/MG: Low, diffuse edge	NA
Color	FG/MG: Reddish brown MG: Dulled, light brown	FG/MG: Light brown, green BG: Dull and light brown, green	NA
Texture	FG/MG: Fine grain BG: Fine to medium grain	FG/MG: Fine to medium grain; low to medium density, sparse	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
NA

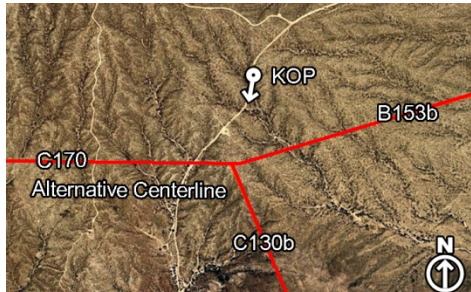
Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a feature landscape setting along Bonita Aravaipa Road (part of the Stockton Pass scenic drive). The proposed Project would cross relatively flat to gently rolling terrain and would be partially backdropped by terrain for travel route viewers with a level view. Disturbance to both landform and vegetation associated with construction access would not be visible from the KOP. The proposed structures would be seen at approximately 0.5 mile and would introduce strong structure contrast to elements of form and line, with moderate contrast introduced for color and texture. The viewing distance and the introduction of the proposed structures in a partially backdropped condition would result in an overall moderate-strong degree of contrast. Selective mitigation measures #7 (self supporting lattice) and #10 (maximize span at crossing) would reduce contrast.



View to the northwest from Bonita Aravaipa Road.

Project Name: SunZia Southwest Transmission Project	Location: Township: 7S Range: 21E Section: 22	Location Sketch 
Key Observation Point: SA12 Klondyke Road (East)		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to moderately convex, rolling and rounded pyramidal BG: Complex, horizontal	FG: Bold, irregular, spherical to amorphous patches	NA
Line	FG: Strong sweeping band, horizontal, diagonal BG: Irregular, horizontal	FG: Bold, butt edge (along roadway)	NA
Color	FG: Reddish brown	FG: Dark brown, light to dark greens, gray	NA
Texture	FG: Fine to medium grain	FG: Uneven, coarse grain, medium to high density	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Rounded, pyramidal	FG: Low, individual, spherical	FG: Tall, vertical, geometric, triangular, transparent
Line	FG: Irregular, broken, angular	FG: Weak, butt edge	FG: Complex, angular; concave, horizontal
Color	FG: Reddish brown	FG: Light to dark greens	FG: Dull gray
Texture	FG: Fine grain	FG: Uneven, medium grain, medium density	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X		X			
	Line			X				X		X			
	Color			X					X		X		
	Texture			X					X		X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a focal landscape setting along Klondyke Road (part of the Stockton Pass scenic drive). The proposed Project would cross gently to moderately steep rolling foothills and would be partially backdropped by terrain. Disturbance associated with construction access and or clearing for tower pad(s) may have the potential to be visible in the foothills and would introduce weak contrast to the landform elements of form, line, color, and texture. above the vegetative screening. Similarly, modifications to the vegetation elements of form and line may have the potential to introduce weak contrast into the landscape. The proposed structures would be seen as the Project crosses Klondyke Road and would introduce strong structure contrast for elements of form and line, with moderate contrast introduced for color and texture into the landscape. The viewing distance of the introduced structures and partial skyline condition would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation measures #7 (self supporting lattice) and #10 (maximize span at crossing) would help reduce contrast in this area.



View to the south from Klondyke Road.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SA13 Klondyke Road (North)	Township: 7S	
VRM Class: NA	Range: 20E Section: 21	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to rolling	FG: High, amorphous patches	FG: Thin, vertical, weak horizontal (conductors)
Line	FG: Bold, curving, continuous band	FG: Bold, butt edge (along road)	FG: Vertical, horizontal, diagonal
Color	FG: Light brown	FG: Green, tan, dark brown	FG: Green, dark brown, grays
Texture	FG: Fine grain	FG: Uneven, coarse grain, medium density	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a focal landscape setting associated with dispersed residential and recreation access to Aravaipa Canyon. The proposed Project would cross flat to low rolling terrain and would be visible to travel route viewers with a level view. Disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen when crossing Klondyke Road and would be viewed in context with an existing distribution line. The proposed structures would introduce strong structure contrast for form and line, with moderate contrast for color and texture introduced into the landscape. The viewing distance of the proposed structures crossing Klondyke Road would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation measures #7 (self supporting lattice structure) and #10 (maximize span at crossing) would reduce contrast in this area.



View to the southeast from Klondyke Road.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SA14 Rug Road	Township: 7S	
VRM Class: N/A	Range: 18E Section: 34	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Rugged geometric /pyramidal	FG/MG: Clumped groupings, low stippled	NA
Line	FG/MG: Diagonal, convex horizontal, weak bands (roads)	FG/MG: Butt edges (at roads), diffuse	NA
Color	FG/MG: Light brown, brown, red, gray	FG/MG: Light and dark greens, browns	NA
Texture	FG/MG: Medium grain	FG/MG: Medium grain and density	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG/MG: Geometric /pyramidal	FG/MG: Clumped groupings, low stippled	FG/MG: Tall thin vertical, triangular, transparent
Line	FG/MG: Diagonal weak bands (roads)	FG/MG: Butt edges (at roads), diffuse	FG/MG: Repeating vertical, complex, geometric, angular/horizontal
Color	FG/MG: Light brown, brown, red, gray	FG/MG: Light and dark greens, browns	FG/MG: Brown, dull, gray
Texture	FG/MG: Medium grain	FG/MG: Medium grain and density	FG/MG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form		X				X			X			
	Line		X				X			X			
	Color		X						X	X			
	Texture		X						X		X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes – See Simulations 34a and 34b

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in an enclosed/feature landscape setting viewed from Rug Road which provides recreation access to Aravaipa Canyon and Table Mountain ACEC. The proposed Project would cross rugged terrain resulting in both skylined and backdropped conditions for the transmission line structures and conductors. Construction access disturbance to landform associated with the Project would be visible and would introduce moderate contrast to landform elements of form, line, color, and texture. Similarly, moderate contrast to vegetation elements of form and line would be introduced into the landscape. The proposed structures would be seen at approximately 0.75 mile and introduce strong contrast into the landscape for structure elements of form, line, and color, with moderate contrast introduced for texture. The viewing distance with the Project in skylined and backdropped conditions, within a largely intact landscape setting, would result in an overall moderate-strong degree of contrast from this KOP. Selective mitigation measures #10 (maximize span at crossing), #11 (use of Permeon), and potentially #13 (helicopter placement of structures) would reduce contrast in this area.



View to the north from Rug Road, Arizona.

Project Name: SunZia Southwest Transmission Project	Location: Township: 14S Range: 22E Section: 3	Location Sketch
Key Observation Point: SA15 Muleshoe Ranch Road		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Smooth, rolling to bold horizontal	FG: Individual, numerous, irregular, low rough, spherical	FG: Numerous, repeating, tall, vertical, transparent
Line	FG: Simple, slightly undulating horizontal	FG: Butt edge (at road)	FG: Regular, repeating, vertical
Color	FG: Light brown, light reddish brown	FG: Light tan, green, dark brown	FG: Brown, dull gray
Texture	FG: Medium to fine grain	FG: Uneven, coarse grain, low to medium density, sparse, stippled	FG: Fine grain, matted, uniform

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Smooth, rolling	FG: Individual, numerous, irregular, low, rough, spherical	FG: Tall, vertical, geometric, triangular, transparent
Line	FG: Weak, broken horizontal	FG: Weak butt edge	FG: Complex, angular; concave, horizontal
Color	FG: Light brown, light reddish brown	FG: Light tan, green, dark brown	FG: Dull gray
Texture	FG: Fine grain	FG: Uneven, coarse grain, low to medium density, sparse	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X			X		
	Line			X				X			X		
	Color		X						X			X	
	Texture			X					X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project in a modified panoramic landscape setting along Muleshoe Ranch Road. The proposed Project would cross low rolling terrain and would be visible to travel route viewers with a slightly inferior view. Disturbance to the landform associated with construction access would introduce moderate contrast to the landform elements of color, with weak contrast introduced to form, line, and texture. Similarly, disturbance to vegetation would introduce weak contrast to vegetation elements of form and line. The vegetation occurs in a random distribution that allows for a largely unperceivable disturbance to the existing vegetation and will screen much of the disturbance to the landform elements. The proposed structures would be seen on the horizon and as the Project crosses Muleshoe Ranch Road at approximately 0.5 mile and would be viewed in context with existing transmission lines (approximately 1.0 mile from the KOP). The presence of existing similar structures would result in an overall weak-moderate degree of contrast introduced at this KOP. Selective mitigation measure #10 (maximize span at crossing) would reduce contrast in this area.



View to the northwest from Muleshoe Ranch Road.

Project Name: SunZia Southwest Transmission Project	Location: Township: 2S Range: 9E Section: 9	Location Sketch
Key Observation Point: SO1 Claunch		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Flat	FG: Grouped, tall, roughly spherical (trees), homogeneous patch (grasses) MG: Patch	FG: Few, tall, thin (distribution), numerous, short, thin (fence), rectangular
Line	FG/MG: Horizontal	FG/MG: Butt edge (at road and on horizon)	FG: Vertical, horizontal, diagonal
Color	FG/MG: Reddish brown, gray, white, yellow	FG/MG: Light to dark green, brown, golden	FG: Brown, tan, white, green rust, gray
Texture	FG/MG: Fine grain	FG/MG: Coarse to fine grain, sparse BG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

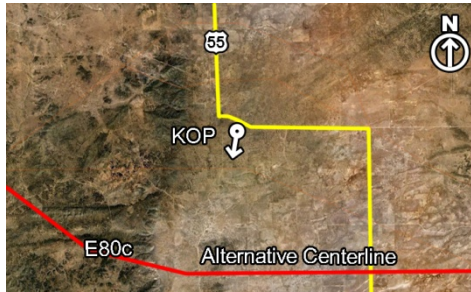
Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project in a panoramic landscape setting associated with residences in Claunch, New Mexico. The Project would cross flat terrain from a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP. The proposed structures would be seen at approximately 2.0 miles across the horizon, with other vertical structures visible in the foreground. The proposed structures would introduce moderate structure contrast for form and line, with weak contrast for color and texture into the landscape. The viewing distance, with consideration of existing vertical structures visible from the KOP, would result in an overall weak-moderate degree of contrast.



View north from residence along SR 55 in Claunch, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Township: 1S Range: 8E Section: 3	Location Sketch 
Key Observation Point: SO2a Gran Quivira unit of Salinas Pueblo Missions National Monument (Link E80c)		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Low, rolling hills, flat	FG/MG: Amorphous patches	FG: Low, rectangular, geometric (ruins)
Line	FG/MG: Horizontal and simple angles	FG/MG: Digitate to diffuse edges	FG: Horizontal, vertical, diagonal
Color	FG/MG: Tans and browns	FG/MG: Dark greens and browns	FG: Browns, tans, reddish brown
Texture	FG/MG: Fine grain	FG/MG: Fine to medium grain	FG: Medium grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	MG: Weak, thin, vertical
Line	NA	NA	MG: Vertical
Color	NA	NA	MG: Dull gray
Texture	NA	NA	MG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X				X	
	Line				X				X			X	
	Color				X			X				X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
No – See Simulation 1a

Evaluator Name(s):
EPG Visual Personnel

Weak contrast would result from the construction and operation of the proposed Project within a panoramic landscape with minimal cultural modifications, viewed from the Gran Quivira unit of Salinas Pueblo Missions National Monument. The Project would cross flat to slightly rolling terrain and would be backdropped for visitors of the National Monument with a superior view. Construction access disturbance to landform and vegetation would be slightly visible from the KOP. However, the project would be seen in the landscape at approximately 6 miles. The viewing distance of the proposed Project from the KOP, in consideration of the Project occurring in a backdropped condition, would result in an overall weak degree of contrast.



View to the south from the Gran Quivira unit of Salinas Pueblo Missions National Monument (Approximately 6 miles).

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SO2b Gran Quivira unit of Salinas Pueblo Missions National Monument (Link E81)	Township: 1S Range: 8E	
VRM Class: NA	Section: 3	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Low, rolling hills, flat	FG/MG: Amorphous patches	FG: Low, rectangular, geometric (ruins)
Line	FG/MG: Horizontal and simple angles	FG/MG: Digitate to diffuse edges	FG: Horizontal, vertical, diagonal
Color	FG/MG: Tans and browns	FG/MG: Dark greens and browns	FG: Browns, tans, reddish brown
Texture	FG/MG: Fine grain	FG/MG: Fine to medium grain	FG: Medium grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X			X		
	Line				X			X			X		
	Color				X			X				X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
No – See Simulation 1b

Evaluator Name(s):
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape with minimal cultural modifications, viewed from the Gran Quivira unit of Salinas Pueblo Missions National Monument. The Project would cross flat to slightly rolling terrain and would be backdropped for National Monument viewers with a superior view. Construction access disturbance to landform and vegetation would be visible from the KOP although contrast would be weak. The proposed structures would be seen at approximately 2.0 miles and would introduce moderate contrast to structure elements of form, line, color, and texture. The viewing distance of the proposed Project from the KOP, in consideration of the Project occurring in a backdropped condition, would result in an overall weak-moderate degree of contrast.



View to the south from the Gran Quivira unit of Salinas Pueblo Missions National Monument (Approximately 2 miles).

Project Name: SunZia Southwest Transmission Project	Location	Location Sketch
Key Observation Point: SO4 WSMR P Route 7	Township: 1S Range: 5E	
VRM Class: IV (viewed from private land)	Section: 8	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently sloped MG: Geometric, pyramidal	FG: Amorphous patch MG: Geometric patch, stippled	FG: Thin vertical, triangular transparent, geometric
Line	FG: Horizontal MG: Horizontal, diagonal	FG: Weak diffuse, transitional edge MG: Weak diffuse edges	FG: Vertical, diagonal, horizontal
Color	FG: Tans and browns MG: Tans, browns/reddish browns	FG/MG: Greens, tans and browns	FG: Browns, green, white, gray
Texture	FG: Fine grain MG: Fine to medium grain	FG: Medium grain MG: Medium to fine grain	FG: Medium to fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X	X			
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
Yes – See Simulations 2a and 2b

Evaluators Names:
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project crossing VRM Class IV lands. The proposed Project would cross rolling terrain and would be partially backdropped for dispersed residential with level views. Construction access disturbance would be screened by existing vegetation from the KOP. The proposed structures would be visible at approximately 0.5 mile and introduce strong structure contrast into the landscape for line, with moderate contrast occurring for form, color, and texture. Selective mitigation measure #7 (self supporting lattice structure) would help reduce contrast in this area.



View north/northeast from dispersed residence northeast of Socorro, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location Township: 3S Range: 4E Section: 3	Location Sketch
Key Observation Point: SO5 Route 3617 Residence		
VRM Class: IV (viewed from land without VRM designation)		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat/sloped, geometric MG: Horizontal geometric	FG/MG: Sparse, low, irregular; spherical, individual and few patches and strips	FG: Repeating vertical narrow (distribution line)
Line	FG: Horizontal, diagonal MG: Horizontal	FG: Weak diffuse edge, horizontal diagonal MG: Geometric patches, diffuse edges	FG: Vertical
Color	FG/MG: Light to medium brown, light to medium reddish brown	FG/MG: Golden, gray, dark green	FG: Brown
Texture	FG/MG: Fine grain	FG/MG: Fine to medium grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No

Evaluators Names:
EPG Visual Personnel

Weak-moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class IV designation. The Project would cross relatively flat/sloped terrain and would be backdropped by adjacent terrain. Views from a dispersed residence along Route 3601 would be partially screened by vegetation and topography. Construction access disturbance to landform and vegetation would not be visible from the KOP because existing vegetation would screen these features. The proposed Project would be seen at approximately 2.0 miles and introduce moderate contrast to structure elements of form and line, with weak contrast introduced into the landscape for color and texture.



View east/southeast from dispersed residence along Route 3617.

Project Name: SunZia Southwest Transmission Project	Location: Township: 4S Range: 6E Section: 8	Location Sketch
Key Observation Point: SO6 Route 3508 Residence		
VRM Class: IV (viewed from land without VRM designation)		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Slightly sloped plain to flat BG: Narrow horizontal rectangular	FG/MG: Individual to clumped spherical; patch and stippled BG: Thin horizontal patches	NA
Line	FG/MG: Weak diagonal/horizontal BG: Irregular horizontal	FG: Butt edge (at road) weak transitional edge MG: Horizontal, weak diffuse edges BG: Horizontal	NA
Color	FG/MG: Light tans/browns, light reddish brown BG: Duller bluish-tans	FG/MG: Light to dark greens, tan, grays BG: Duller bluish-green	NA
Texture	FG/MG: Medium to fine grain BG: Fine grain	FG: Coarse to medium grain MG: Medium to fine grain BG: Fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class IV designation. The proposed Project would cross relatively flat terrain to slightly sloped and rolling terrain in a partially backdropped condition. A dispersed residence along Route 3508 would have superior views; however, construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 1.0 mile and introduce moderate contrast into the landscape for the structure elements of form, line, color, and texture.



View to the northwest from a residence along Route 3508, north of Bingham, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SO7 Bingham residence	Township: 5S	
VRM Class: III (viewed from land without VRM designation)	Range: 5E Section: 12	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat BG: Narrow, horizontal hills; plateau silhouettes	FG: Low, grouped "V"-shaped shrubs MG: Amorphous patches	FG: Low, repeating, thin, vertical (fence)
Line	FG: Horizontal BG: Irregular horizontal	FG: Butt edge (at road) and diffuse edge MG: Weak digitate edge	FG: Vertical
Color	FG: Reddish brown, gray BG: Dulled bluish-tan	FG: Olive green, greens, golden MG: Dulled bluish-green	FG: White and green
Texture	FG/BG: Fine grain	FG: Medium to fine grain MG: Fine grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation. The proposed Project would cross flat terrain and would be visible to residences near US Route 380 with a level view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 1.5 miles and would introduce moderate contrast to structure elements of form, line, color, and texture.



View north from residences along US Route 380.

Project Name: SunZia Southwest Transmission Project	Location: Township: 4S Range: 3E Section: 3	Location Sketch
Key Observation Point: SO8 Route 18 Residence		
VRM Class: III		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat, gently rolling MG: Elongated pyramidal, horizontal, rectangular	FG: Sparse, low, amorphous patches MG: Horizontal band, low, individual shrubs	NA
Line	FG: Horizontal and curving band (road) MG: Complex, broken horizontal, diagonal	FG: Weak, butt edge (at road) MG: Weak, diffuse edge (at foothill transition)	NA
Color	FG: Tans and browns MG: Red and dark browns, tans	FG: Greens, tans, browns MG: Dark, olive greens, tans, browns	NA
Texture	FG: Fine grain MG: Fine to medium grain	FG: Fine MG: Stippled, uniform	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Flat, slightly rolling	FG: Low, amorphous patches	FG: Tall, vertical, geometric, triangular, transparent
Line	FG: Weak, broken, horizontal	FG: Weak, butt edge (at road)	FG: Complex, angular; concave, horizontal
Color	FG: Tans, browns	FG: Greens, tans, browns	FG: Dull gray
Texture	FG: Fine grain	FG: Fine, sparse	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X				X		X			
	Line			X				X		X			
	Color			X					X		X		
	Texture			X					X		X		

Does project design meet visual resource management objectives?

No

Additional mitigating measures recommended?

Yes

Evaluator Name(s):

EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project within a landscape setting with VRM Class III designation. The proposed Project would cross rolling terrain which would be partially backdropped by adjacent terrain for dispersed residences along Route 18. Construction access disturbance would introduce weak contrast to landform elements of form, line, color, and texture into the landscape. Similarly, contrast to vegetation elements of form and line would be introduced. The proposed structures would be seen at approximately 0.5 mile and would introduce strong contrast into the landscape for structure elements of form and line, with moderate contrast for color and texture. The viewing distance and partially backdropped condition would result in a moderate-strong degree of contrast from this KOP. Selective mitigation measure #7 (self supporting lattice structures) would reduce contrast to moderate in this area where backdrop conditions would occur for the viewer; however, due to residential views within close proximity it would result in non-conformance for VRM Class III



View to the northwest from a residence on Route 18.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SO9 Quebradas Backcountry Byway (south)	Township: 4S	
VRM Class: III	Range: 2E Section: 26	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to gently rolling BG: Narrow, horizontal silhouettes	FG: Low, sparse, stippled	FG: Geometric, thin repeating vertical
Line	FG: Horizontal, curving band (road edge) BG: Irregular horizontal	FG: Butt edge (at road), weak diffuse edge	FG: Vertical, horizontal, diagonal
Color	FG: Brown, reddish brown BG: Dulled bluish-tan and green	FG: Green, tan, and brown	FG: Light to dark brown
Texture	FG: Fine to relatively smooth BG: Fine grain	FG: Fine to medium; uneven, random	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes

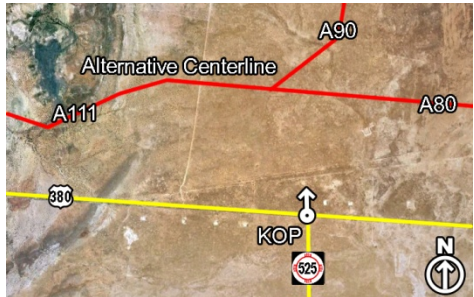
Additional mitigating measures recommended?
No – See Simulation 3

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation and associated views from the Quebradas Backcountry Byway. The proposed Project would cross relatively flat terrain from a level to slightly superior view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to screening by topography. The proposed structures would be seen at approximately 1.2 miles and would introduce moderate contrast for structure elements of form, line, color, and texture into the landscape.



View to the south from along the Quebradas Backcountry Byway.

Project Name: SunZia Southwest Transmission Project	Location: Township: 5S Range: 3E Section: 7	Location Sketch 
Key Observation Point: SO10 Trinity Site Historic Marker		
VRM Class: III		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Relatively flat to gently rolling BG: Low, horizontal strip, silhouette	FG/MG: Low, individual, random, stippled	FG: Thin, vertical, and geometric (sign)
Line	FG/MG: Horizontal, diagonal band (road) BG: Undulating horizontal	FG/MG: Butt edge (at road), weak diffuse edge	FG: Vertical, horizontal
Color	FG/MG: Reddish brown, gray, white, yellow BG: Dulled blue-green	FG/MG: Light green, olive green, golden	FG: Brown, red, white, yellow
Texture	FG/MG: Fine grain BG: Fine grain	FG/MG: Fine to medium grain, random	FG: Fine grain, even, ordered

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Thin, vertical
Line	NA	NA	FG: Vertical
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, even, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X		X		
	Color				X				X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
Yes


Additional mitigating measures recommended?
No

Evaluator Name(s):
EPG Visual Personnel

Moderate contrast would result from construction and operation of the proposed Project within a panoramic landscape setting with VRM Class III designation. The proposed Project would cross flat terrain for viewers associated with the Trinity Site Historic Marker on US Route 380 with a level view. Construction access disturbance to the landform and vegetation would not be visible from the KOP due to vegetation screening. The proposed structures would be seen at approximately 1.0 mile and would introduce moderate contrast to structure elements of form, line, color, and texture.



View to the north from the Trinity Site Historic Marker located along US Route 380.

Project Name: SunZia Southwest Transmission Project	Location Township: 1S	Location Sketch 
Key Observation Point: SO11 Near Stallion WSMR/WSA S Route 3607	Range: 3E	
VRM Class: II & III	Section: 32	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Slightly rolling/sloped to geometric masses	FG/MG: Groupings, strip, stippled	FG/MG: Tall geometric, and cylindrical
Line	FG/MG: Curving band, horizontal, diagonal	FG/MG: Diffuse edges, horizontal, diagonal	FG/MG: Vertical, diagonal, horizontal
Color	FG/MG: Tans and browns	FG/MG: Greens, tans and browns	FG/MG: Brown, black
Texture	FG/MG: Fine to medium grain	FG/MG: Medium grain, medium density	FG/MG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG/MG: Slightly rolling/sloped to geometric masses	FG/MG: Groupings, strip, stippled	FG/MG: Tall, vertical, geometric, triangular, transparent
Line	FG/MG: Horizontal	FG/MG: Diffuse edges, horizontal, diagonal	FG/MG: Complex, angular; concave, horizontal
Color	FG/MG: Tans and browns	FG/MG: Greens, tans and browns	FG/MG: Dull gray
Texture	FG/MG: Fine grain	FG/MG: Medium grain, medium density	FG/MG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line			X				X			X		
	Color			X					X		X		
	Texture				X				X		X		

Does project design meet visual resource management objectives?
No

Additional mitigating measures recommended?
Yes – See Simulations 4a and 4b

Evaluators Names:
EPG Visual Personnel

Moderate contrast would result from the construction and operation of the proposed Project, within an enclosed landscape setting with VRM Class II and III designation, associated with WSMR S Route 3607 and the Stallion WSA (to the east). The proposed Project would cross rolling terrain in a backdrop condition from a slightly superior view. Construction access disturbance would introduce weak contrast for landform elements of line and color into the landscape. Similarly, weak contrast to the vegetation element of line would be introduced. The proposed structures would be seen at approximately 0.9 mile and introduce moderate structure contrast into the landscape for form, line, color, and texture. Selective mitigation #7 (self supporting lattice structure) would reduce contrast in this area where the structures would be backdropped by landform.



View north from Route 3607, west of Stallion WSA.

Project Name: SunZia Southwest Transmission Project	Location	Location Sketch
Key Observation Point: SO13 WSMR S Route 5/ Veranito WSA	Township: 2S Range: 1E	
VRM Class: II	Section: 11	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat to gently rolling MG: Horizontal geometric, pyramidal	FG: Amorphous patch, stippled MG: Stippled	NA
Line	FG: Horizontal, straight band MG: Irregular horizontal, diagonal	FG: Butt edge at road, diffuse edge MG: Weak diffuse edge	NA
Color	FG/MG: Tans and browns	FG/MG: Greens, tans and browns	NA
Texture	FG/MG: Fine grain	FG: Medium grain, medium density MG: Fine grain	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	FG: Relatively flat to gently rolling	FG: Amorphous patch, stippled	FG: Tall, vertical, geometric, triangular, transparent
Line	FG: diagonal band	FG: Butt edge at road, diffuse edge	FG: Complex, angular; concave, horizontal
Color	FG: Tans and Browns	FG: Greens, tans and browns	FG: Dull gray
Texture	FG: Fine grain	FG: Medium grain, medium density	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X			X		X			
	Line			X				X		X			
	Color			X					X	X			
	Texture				X				X	X			

Does project design meet visual resource management objectives?
No


Additional mitigating measures recommended?
Yes

Evaluators Names:
EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project in a landscape setting with designated VRM Class II land associated with WSMR S Route 5 (east of Veranito WSA). The proposed Project would cross relatively flat to gently rolling terrain and would be partially backdropped by adjacent terrain. Disturbance associated with construction access would introduce weak contrast to landform elements of line and color. Similarly, weak contrast would be introduced for vegetation elements of form and line. The proposed structures would be seen at approximately 0.3 mile and would introduce strong contrast for structure elements of form, line, and color, and texture into the landscape. Unobstructed views of the Project within the immediate foreground would result in an overall strong degree of contrast from this KOP. Selective mitigation measures #7 (self supporting lattice structure) and #10 (maximize span at crossing) would reduce contrast in this area.



View northeast along Route 5, east of the Veranito WSA.

Project Name: SunZia Southwest Transmission Project	Location Township: 2S Range: 1E Section: 17	Location Sketch 
Key Observation Point: SO14 Gordy's Hill Recreation Area		
VRM Class: IV		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Flat to prominent geometric mass	FG: Geometric patches, stippled	FG: Thin vertical
Line	FG: Horizontal, diagonal, curving	FG: Butt edge, transitional and diffuse edges	FG: Vertical, weak diagonal
Color	FG: Tans, browns, reddish browns	FG: Greens, tans and browns Dark/olive greens and tans/browns	FG: Brown
Texture	FG: Fine to medium grain	FG: Medium grain	FG: Fine grain

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form			X					X	X			
	Line			X				X		X			
	Color				X				X	X			
	Texture				X				X	X			

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
Yes – See Simulation 5a and 5b

Evaluators Names:
EPG Visual Personnel

Strong contrast would result from the construction and operation of the proposed Project, within a panoramic landscape setting with VRM Class IV designation and associated with the Gordy Hill SRMA. The proposed Project would cross rolling terrain and would be partially skylined for a short duration as well as partially backdropped by adjacent terrain. Construction access disturbance would introduce weak contrast for landform elements of line and color into the landscape. Similarly, weak contrast to the vegetation element of line would be introduced. The proposed structures would be seen at approximately 0.4 mile with distribution lines visible. The proposed structures would introduce strong structure contrast into the landscape for form, line, color, and texture. Selective mitigation measures #7 (self supporting lattice) would reduce contrast in this area where backdrop conditions occur.



View southeast towards the Gordy Hill SRMA.

Project Name: SunZia Southwest Transmission Project	Location:	Location Sketch
Key Observation Point: SO15 Quebradas Backcountry Byway (north)	Township: 2S	
VRM Class: IV	Range: 1E Section: 29	

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG/MG: Geometric masses, rolling BG: Pyramidal, rugged	FG: Complex clumped groupings, patches MG/ BG: Homogeneous expansive and geometric patches	NA
Line	FG/MG: Band, horizontal, diagonal BG: Irregular horizontal, diagonals	FG: Continuous, complex MG /BG: Not discernible, weak diagonals	NA
Color	FG/MG: Light to dark brown BG: Dulled bluish-tan	FG/MG: Olive green, greens and browns MG/ BG: Dulled bluish-tan and green	NA
Texture	FG/MG: Fine to medium grain BG: Medium grain	FG/MG: Fine to medium, dense, even MG/ BG: Not discernible	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall thin vertical, triangular, transparent
Line	NA	NA	FG: Repeating vertical, complex, geometric, angular/horizontal
Color	NA	NA	FG: Brown, dull, gray
Texture	NA	NA	FG: Fine grain, matted, uniform

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X		X		
	Line				X				X	X			
	Color				X				X			X	
	Texture				X				X			X	

Does project design meet visual resource management objectives?
Yes

Additional mitigating measures recommended?
No – See Simulation 6

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project within a focal landscape setting with VRM Class IV designation and associated with the Quebradas Backcountry Byway and the Rio Grande. The proposed Project crosses rolling terrain to river flats in a partially screened and backdropped condition from a superior view. Construction access disturbance to landform and vegetation would not be visible from the KOP due to screening by topography. The proposed structures would be visible at approximately 1 mile and introduce strong contrast to structure elements of line, with moderate contrast to form and weak contrast to color and texture. The viewing distance in consideration of the backdropped condition would result in a moderate-strong degree of contrast from the KOP.



View to the northwest from the Quebradas Backcountry Byway, north of Socorro, New Mexico.

Project Name: SunZia Southwest Transmission Project	Location: Township: 2S Range: 1E Section: 19	Location Sketch
Key Observation Point: SO16 Rio Grande		
VRM Class: NA		

Characteristic Landscape Description

	Landform/Water	Vegetation	Structures
Form	FG: Strong directional, axial (water); low, flat (floodplain)	FG: Mounding, spherical, complex, tall	NA
Line	FG: Horizontal	FG: Complex, irregular	NA
Color	FG: Dark brown, brown, blues	FG: Variations of green, browns	NA
Texture	FG: Smooth (water); fine (floodplain)	FG: Fine to coarse, dense	NA

Proposed Activity Description (Facility)

	Landform/Water	Vegetation	Structures
Form	NA	NA	FG: Tall, vertical, geometric, triangular, transparent
Line	NA	NA	FG: Complex, angular; concave, horizontal
Color	NA	NA	FG: Dull gray
Texture	NA	NA	FG: Fine grain, matted, uniform, ordered

Distance Zones - FG: Foreground, MG: Middleground, BG: Background

Degree of Contrast

		Features											
		Landform/ Water Body				Vegetation				Structures			
		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None
Elements	Form				X				X	X			
	Line				X				X	X			
	Color				X				X	X			
	Texture				X				X		X		

Does project design meet visual resource management objectives?
NA

Additional mitigating measures recommended?
Yes – See Simulation 7

Evaluator Name(s):
EPG Visual Personnel

Moderate-strong contrast would result from the construction and operation of the proposed Project in a focal landscape setting associated with views from the Rio Grande along Chaparral Loop Road. The proposed Project would cross flat terrain from a level view. Construction access disturbance would not be visible from the KOP because of the dense vegetative screening along the banks of the river. Portions of the proposed Project would be seen above and through breaks in the vegetative screening at approximately 0.3 mile and would introduce strong contrast to structure elements of form, line, and color, with moderate contrast to texture introduced into the landscape. The viewing distance from the Project with the Project crossing a focal landscape, in consideration of the presence of some vegetative screening, would result in a moderate-strong degree of contrast from this KOP. Selective mitigation measures #10 (maximize span at crossing) and #14 (selective vegetation removal) would reduce contrast at this crossing.



View to the south from Chaparral Loop Road, crossing the Rio Grande.